

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=9; day=15; hr=11; min=18; sec=54; ms=65;]

=====

Application No: 10573804 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-14 11:53:00.533
Finished: 2008-08-14 11:53:01.556
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 23 ms
Total Warnings: 16
Total Errors: 0
No. of SeqIDs Defined: 18
Actual SeqID Count: 18

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)

SEQUENCE LISTING

<110> AIACH et al.

<120> Identification of polymorphisms in the EPCR gene
associated with thrombotic risk

<130> P08899US00/BAS

<140> 10573804

<141> 2008-08-14

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 8167

<212> DNA

<213> Homo sapiens

<400> 1

aatgaaata ttccaggctg tgcacagtgg ctccaggcttgc taatccca gatgttgggag 60
gctgaagtgg gcggatcacc tgaggtcagg agtttgagac caacccggcc aacatggta 120
aatcccatct ctactaaaaa tacaaaaattt agccaggtgt ggtggcaggt gactgtatc 180
ccagctactt gggaggctga ggcaggagaa tcgcttgaat ctgggaggtg gaggttgcag 240
tgagccgaga tcacgccact gcatacagca agactccatc tcaaaaaaaaaa gaaaaaaaaa 300
aagaaaaaaaaa aaatgtttca taatttttaa taaaaggca gacaatataa attggtagtt 360
attnaagtca ttctactttt cctgaggccc agtgcaggaa aacaaagttc ctatccttgt 420
tccaaactaga ccattttgt aagctgcacaa aagaaaaagac tttgtatgcta ttcttagcc 480
agtttgcaac agctgagagg tgagcatgga agctctgca tatattcagt tcagagaatg 540
ggtgcctagt ttatgtccag agtttgcctt agatttcact atgacgtcag ctctccgggg 600
agaagttat aaaaataaaaaa gtaaaaaatcc ctctcagtcc tttacccaaat cctattcccc 660
agaggttaatc tctattgaca gtacccctcc agatatttc cctatgtata tacaatata 720
cagatacaca ctgaaagttt atttggcca ggtgcagtgg ctccctgccta taccagagga 780
ttgccttgagt gcaggagttc aagaccagcc tggcaacat agcgagacca catctctagt 840
aaaaataaaaaa aaaaaatagc taggcgtgg ggcacagtgg cacgtacctt tagtctcagc 900
tactcgggtg gttgaggtgg gagaatcaact tgagccggg aggtcaagcc tacaattagc 960
tgtgattgct tcactgcact atagcctggg caacagagct agaccctgtc tcaaaaaaaaaat 1020
ataataaaat ttatataata tatatgagga tgaatataca tatgtattat ttgaacagaa 1080
gtgaaatctt ttctttttt ttttcagaca gaatctgccc gcatgaccca ggctagaatg 1140
cagtgggtg atctcgcccc tctgcaaccc ccacccccc ggtcaagcg attctcatgc 1200
ctcggtctcc caagtagctg ggattacagg catgcaccac catgcccagc taattttgt 1260
attttcgta gagacgttcg ccatattggc caggctggc tcaaactcct ggctcaagt 1320
gatctgcccc cctcggccctc ccaaagtgc agcagcatgc tcggaggagt gactttaaag 1380
cttttctact tgcttcttag agtaaggggac gcattttaca ctgctatcca aaactcatca 1440
tagaaacata cacacacaaa accaaaggac acatatacaa ctgagcaaat atttcatgac 1500
ataacacttt ctcttactaa gggtgacgcg ctgaaatttt gtattctgtc ctatttcatt 1560
ttttaaaaat ggtaaccatg acctgctaaa ttgatttcat tgtccactaa taaattatga 1620
cctcagtttcc aaaaagattt ctttaggtaa ccaatcatct tctgagattt atacagattt 1680
ctcataattt ttccttattt tttaaaaaaca tgctgcagtg aactgcttta cactcatttt 1740
atgactactt ctgagaccaa gatccccggat tatgtatgg ttatattttt aaaaattctgg 1800
ttaaaatgttag ccattataact ggaaaaactaa attttaatct tggatctgtc accaccatga 1860
tatataaaact ttgggcaagt ccctgcaccc ctctggaccc caatctcccc atcagcaacc 1920
tgctgatcct actcccgagga gtgtgcctta agttgaaaatg agatgccccca cccccctgagt 1980
cagcgccggc aggacttctc accaagccct tctccccctt ttccgctccc tggatctggt 2040

tccttaggaag cagcccaagg agaaggaaa aggcaaggct gggcaggagg gagcaatgaa 2100
gggcggggca gagggagggc aggaggaggc cggcccccct agtaggaaat gagacacagt 2160
agaaataaca ctttataaagc ctcttcctcc tcccatactcc tggcctcctt ccatactcct 2220
ctgcccagac tccgcccctc ccagacggtc ctcaactctc tttccctag actgcagcca 2280
gcggagccc cagccggccc gagccaggaa cccaggtccg gagcctcaac ttcaggatgt 2340
tgacaacatt gctgccgata ctgctgctgt ctggctggc cttttagtgc caagacgcct 2400
cagatggtga gtcggggca catctcctgc ctcaaggatgg ttctggagaa tctcagtcata 2460
tctggcaca tggcaagacc acaggagac ttatctcaca gcatctgtgt ctgcagctgg 2520
ctagatctct ctacagggca ggcagactct tggggactgg ttcgtgtccc aaagccaagg 2580
tgagtttagta catttaagcc cctgaaaagg gggagatgaa agaggctagg ggaaacagga 2640
tgactggaaa catgagaaaag aaaccacgac agagggttagg agaatcagcc ccagggagag 2700
gggagaaaagg ggaactgagg gtatggtag atagggtac atctaggga gacgggaaga 2760
ggctcagaag agaagagaaa tggagggaaat gggagaccc tggggaaact gatggaaagaa 2820
gtgggggaag agtggggcag agagaggta ggggaggcta gggaaaatgg aaggagactg 2880
gtcgcagctg gtggaaactgg ggagaaaagag atgctgtgcc taatagaact tatgggcgt 2940
caggctactg aagtggccct gtttaagcag aaaaggagt tattaccctc cattataatt 3000
gcacaggggc ctctttccc ctctctcaca atccccgtaa ctcaagtctc cccctcagag 3060
aggcagcaaa taataaccag tattcaatga gtgctcaacta tggtaatac atgtattgac 3120
ccatttaact tgcacaaacc cctaaagggtg ggtaatatta ttactatctc cattttatga 3180
ggaggaaaact gggtcacaga gtatgttcaagg accatgtcta gggttatcca taaatatact 3240
tattcacatc tgcagataca aagcacaact tctcaatgc aaacacagac aggacccact 3300
cacacacaca gattacaac cccggactca tccaaatgtg ctctggcat caactctgtg 3360
ccagccttt ttctgggtgt aggaagcaga gattaccaag catggttcca tagcctagag 3420
gagtccagtg tggctgtgt gtgtttggag acagccaggt agtatccgt gagatacaca 3480
ctaataatatg gtggctctggg atcaactgaaa cagacacact gtgtctcgtg gggcatcaga 3540
aaaaaaatttc caagaagagg gcaactgagc tgggtctttt tttctttgt tttctttctt 3600
ttttcttttt tttttttttt ttttttttgg agatggagtc ttgtgtgtc acccaggtcg 3660
gaatgcagtg gcacaatttc agctaactgt aacctccaac tcccagggtt aggccattct 3720
cctgcctcag cctcctgagt agctggact acaggcatgt accaccacgc ctggctaata 3780
tttgcacttt tagtacagat ggggtttcgc catggttggc aggctggct tgaatccctg 3840
acctcaagtg atccggccgc ctccgcctcc caaagtctg ggattacagg catgagccac 3900
cgcgcccagt ctctgagctg ggtcttaaat catgaataaa ctccgcagg cagaaaaagg 3960
gaggcagagc aatccgtaca tgctattcat gtgtcagcca aaggcagcat gaggaatccc 4020
aactagttt atatataagc agcgggaagc ggccagaaaa ggcagcagg gccaggctc 4080
tagcagcctt gaatgccagg ctaaagactc tggacttgat cctgtgggg ggcagtgtag 4140
cagaatggct gagtgttgcg ctgtactgccc tacgtgcata cttggctct gctacactat 4200
ctctgtctca gtttgcgtatg tagactgggg ttaataatag tagtattgc attaagccac 4260
tggggaaagg cacaagata ataatgtatg taaagccat tgcccagggtt ataataagca 4320
ctgaatcgac attggctatg attatttttt attaataatgaa gggagggggg tatggcactg 4380
gaagattttt agtaggaaaa ggacatgatc tcatccctgg gtcaggttgg ggtcggata 4440
gagaacgggg agatgaagta gaaagttact accccagtct agatgagacg gatgaatcc 4500
gaatcagggc agtggaaagag gagatggaga acaggcgtatc gaatttggaaat tttattcagg 4560
tcaggattt ttaaccattt gttccgttgg ttaacaggaa acggggggag ggagagccga 4620
gggtgaaaaaa ggaggcagaa aggagtgtct ctccactgc aggccctcgt ttcctcatct 4680
gtaaaacggc gataataatc cctgtctgt cctctggca gagttactgt cagcgtcaaa 4740
cggggagaagc ggtggggaggc cacattatacg tttatgaagg gtcgagaagg cggggcggcca 4800
gcctcgagggt agggggttat tatctccgc tggccggccgc cccctccac gcccggccag 4860
gctgaagttt actctgccc caggccctca aagacttcat atgctccaga tctctactt 4920
ccgcgacccc tatcacgtgt ggtaccaggc caacgcgtcg ctggggggac acctaacgca 4980
cgtgctggaa ggcccagaca ccaacaccac gatcattcag ctgcagccct tgcaggagcc 5040
cgagagctgg ggcgcacgc agagtggctt gcagtcctac ctgcgtccagt tccacggcc 5100
cgtgcgcctg gtgcaccagg agcggaccc ggcctgtgag taggcgcgc gggggggcgg 5160
ggtctggcggc gggctagtgg gggcgggggc tggcggtgg gggcgggggc tggcggtgg 5220
aggcggggctg gggctgtcag ggacccggca gccactggag ctccggggcg cctggccctt 5280
tgaagattgc tgggtgggg ctggagagag gcaagtgtcc cgcctaagaa agccccgact 5340
cggggcggctg tcctgtggc ataaccctttt gggatagacc ctgttggaaag gccctgacac 5400
cgtgacgtcg aaggtccccca gaaaactcctt caccctcgc ctcacagtcc tccaactct 5460

<210> 2
<211> 8167
<212> DNA
<213> Homo sapiens

```
<400> 2
aatgaaata tttcaggctg tgcacagtgg ctcaaggcttg taatcccaagc atgttgggag 60
gctgaagtgg gcgatcacc tgaggtcagg agtttgagac caacctggcc aacatgtga 120
aatcccatct ctactaaaaaa tacaaaaatt agccaggatgt ggtggcaggat gactgtaatc 180
```

ccagctactt gggaggctga ggcaggagaa tcgcttaat ctgggagggtg gaggttgcag 240
tgagccgaga tcaccccact gcatacagca agactccatc taaaaaaaaa gaaaaaaaaa 300
aagaaaaaaag aaatgtttca taatttttaa taaaaggcaa gacaatataa attggtagtt 360
attnaagtca ttctactttt cctgaggccc agtgcaggaa aacaaagttc ctatcctgt 420
tccaaactaga ccattttgat aagctgcaaa aagaaaagac tttgatgcta tttcttagcc 480
agtttgcaac agctgagagg tgagcatgga agctctgca tatattcagt tcagagaatg 540
ggtgcttagt ttatgtccag agtttgccc agatttcaact atgacgtcag ctctccgggg 600
agaagtatat aaaataaaaaa gtaaaaatcc ctctcagtcc tttacccaat cctattcccc 660
agaggttaatc tctattgaca gtacccctcc agatatttc cctatgtata tacaatatac 720
cagatacaca ctgaaagtta atttggcca ggtgcagtgg ctccgccta taccagagga 780
ttgcttgagt gcaggagttc aagaccagcc tgggcaacat agcagagacca catctctagt 840
aaaaataaaaaa aaaaataagc taggcgtgtt ggcacagtgg cacgtacctt tagtctcagc 900
tactcggtt gttgaggtgg gagaatcaact tgagccggg aggtcaagcc tacaattagc 960
tgtgattgct tcactgcact atagccctggg caacagagct agaccctgtc taaaaaaaaat 1020
aataataaat ttatataata tatatgagga taaaattaca tatgtattat ttgaacagaa 1080
gtgaaatctt ttctttttt ttttcagaca gaatctgcc gcatgaccca ggctagaatg 1140
cagtgggtgt atctcgccctc tctgcaaccc ccacccccc ggttcaagcg attctcatgc 1200
ctcggctcc caagtagctg ggattacagg catgcaccac catgcccagc taattttgt 1260
attttcgta gagacgttcg ccatattggc caggctggc tcaaactcct ggcctaagt 1320
gatctgccc cctcggccctc ccaaagtgcg agcagcatgc tcggaggagt gactttaaag 1380
cttttctact tgcttcctag agtaagggac gcatttaca ctgctatcca aaactcatca 1440
tagaaacata cacacacaaa accaaagcac acatatacaa ctgagcaaattt atttcatgac 1500
ataacacttt ctcttactaa gggtgacgcg ctgaaattttt gtattctgtc ctatttcatt 1560
ttttaaaaat ggtaaccatg acctgctaaa ttgatttcat tgcactaa taaattatga 1620
cctcagtttcc aaaaagattt ctttaggtaa gcaatcatct tctgagattt atacagattt 1680
ctcataattt ttccttattt tttaaaaaca tgcgtcactg aactgcttta cactcatttt 1740
atgactactt ctgagacca gatcccggat tatgtaattt ttatattttt aaaattctgg 1800
ttaaaatgttag ccattataact ggaaaaactaa attttaatct tggatctgtc accaccatga 1860
tatataaaact ttgggcaagt ccctgcaccc ctctggaccc caatctcccc atcagcaacc 1920
tgctgatcct actcccagga gtgtgctcta agttgaaagt agatgccccca cccctgagt 1980
cagcgccggc aggacttctc accaagccct tctccccc tttccgcctt tgccctgggt 2040
tccttaggaag cagcccaagg agaaggggaaa aggccaggctt gggcaggagg gagcaatgaa 2100
gggcggggca gagggaggggc aggaggaggagg ccggcccccctt agtaggaaat gagacacagt 2160
agaaataaca ctttataagc ctcttcctcc tcccacatcc tggccctt ccattccctt 2220
ctgcccagac tccgccttcc ccagacggc tctacttctc tttcccttag actgcagcc 2280
gcggagcccg cagccggccc gagccaggaa cccaggtccg gagcctcaac ttccaggatgt 2340
tgacaacatt gtcggccata ctgctgtgtt ctggctgggc cttttgttagc caagacgcct 2400
cagatggta gtcggggca catctcctgc ctcaaggatgg ttctggagaa tctcagtcata 2460
tctgggcaca tggcaagacc acaggagagc ttatctcaca gcatctgtgt ctgcagctgg 2520
ctagatctct ctacagggca ggcagagtct tggggactgg ttctgttccc aaagccaagg 2580
tgagtttagta catttaagcc cctgaaaagg gggagatgaa agaggctagg ggaaacacgaa 2640
tgactggaaa catgagaaag aaaccagcgag agagggttagg agaatcagcc ccagggagag 2700
gggagaaaagg ggaactgagg gtgtatggtag ataggggtac atctagggga gacgggaaaga 2760
ggctcagaaag agaagagaaa tggagggaaat gggagaccc tggggaaact gatggaaagaa 2820
gtggggggaaag agtggggcag agagaggtta ggggaggctt gggaaaatgg aaggagactg 2880
gtcgcagctg gtggactgg ggagaaaagag atgctgtgcc taatagaact tatggggcat 2940
caggctactg aagtggccctt gtttaagccgaaaagggat tattaccctc cattataatt 3000
gcacaggggc ctcttcctcc ctctctcaca atccccctaa ctcaaggcttcccccctcagag 3060
aggcagcaaa taataaccag tattcaatga gtgcacta tggtaatac atgtattgac 3120
ccatttaact tgcacaaacc cctaaaggctt ggtatatttta ttaactatctc cattttatga 3180
ggagggaaact gggtcacaga gtgtatggaccatgtca gggttatcca taaatataact 3240
tattcacatc tgcagataca aagcacaact tctcaaatgc aaacacagac aggaccact 3300
cacacacaca gatttacaac cccggactca tccaaatgtt ctctggcat caactctgt 3360
ccagccttctt ttctgggtgtt aggaagcaga gattacaag catggttcca tagccttagag 3420
gagtccagtg tggccctgtgt gtgtttggag acagccaggt agtacccgtt gagatacaca 3480
ctaatatatg gtggctctggg atcactgaaa cagacacact gtgtctcggtt gggcatcaga 3540
aaaaaaatttc caagaagagg gcaactgagc tgggtctttt tttctttctt 3600

tttttttttc tttttttttt ttttttttttgc agatggagtc ttgtgctgtc acccaggcgtg 3660
gaatgcagtgc cacaatttc agctaactgt aacccccaac tcccagggttc aggcattct 3720
cctgcctcag cctccctgagt agctggact acaggcatgt accaccacgc ctggctaata 3780
tttgcacttt tagtacagat ggggtttcgc catgttggcc aggctggctct tgaatccctg 3840
acctcaagtgc atccgccccgc ctcggccctcc caaagtgcgt ggattacagg catgagccac 3900
cgcggcccaagt ctctgagctg ggtcttaaat catgaataaa cttcgccagg cagaaaaagg 3960
gaggcagagc aatctgaca tgcatttcat gtgtcagcca aaggcagcat gaggaatccc 4020
aactagttg atatataaagc agcgggaagc ggccagaaaa ggcagcaggg gccaggtctc 4080
tagcagcctt gaatgccagg ctaaagactc tggacttgc tctgtgggg ggcagtgtag 4140
cagaatggct gagtgcgtgga cttgactgc tacgtgcaaa ccttggctct gctacactat 4200
ctctgtctca gttcacatg tagactgggg ttaataatag tagctattgc attaagccac 4260
tggggaaagg cacaagata ataatgtatg taaagcccat tgcccagggtt ataataagca 4320
ctgaatcgac attggctatg attattttg attaatgaag gggagggggt tatggcactg 4380
gaagatttttta agtaggaaaaa ggacatgatc tcatccctgg gtcaggtgga ggtcggaaata 4440
gagaacgggg agatgaagta gaaagttaact accccagtc agatgagacg gatgaatcct 4500
gaatcagggc agtggaaagag gagatggaga acaggcgatg gaattggaaat ttattcagg 4560
tcaggatttgc ttaaccattt gttccgttgg ttaacaggaa acggggggag ggagagccga 4620
gggtgaaaaaa ggagggcagaa aggagtgtct cttccactgc aggcctcaat ttcctcatct 4680
gtaaaacgga gataataatc cctgtccctgt cctcctggca gagttactgt cagcgtcaaa 4740
cggggagaagc ggtggggaggg cacattatag tttatgaagg gtcgagaagg cggggggccca 4800
gcctcgaggt agggggttat tatcttcgc tgcccggccgc cccctccac gccggcccaag 4860
gctgaagttg actctgccccg caggcctcca aagacttcat atgctccaga tctctactt 4920
cccgaccccc tatcacgtgt ggtaccaggg caacgcgtcg ctggggggac acctaacgca 4980
cgtgtggaa ggcccagaca ccaacaccac gatcattcg ctgcagccct tgcaggagcc 5040
cgagagctgg gcgcgcacgc agagtggct gcagtcctac ctgcgtccagt tccacggct 5100
cgtgcgcctg gtgcaccagg agcggaccc tggctgtgag taggcgcgcga gggggggccgg 5160
ggtctggcg gggctagtgg gggcggggcc tggcgggtgg gggcggggcc tggcggatgg 5220
aggcgggctg gggcttgcaag ggacccggca gcccactggag ctccggtgccg cctggccctt 5280
tgaagatgc tgggtgggg ctggagagag gcagttgtcc ccgcctaagaa agcccccact 5340
cgggcggctcg tcctgctggc ataacctttt gggatagacc ctgttggaaag gcccctgacac 5400
cgtgacgtcg aaggccccca gaaaactccct caccctcgcc ctcacagtc tccaaactccct 5460
tttcttcata gatctccgtc cttcccttc cacagcccccc agcacttcac cccccccac 5520
ccagccactt ctcatacaag ctgtatgactt cgctttagc tccactcatg acccgaactc 5580
ttccccccaaa gaccccaagt tcttctctca aagccccact ccttccccgt cacaacccta 5640
actcccttctt ctcaaagacc ccaattttt tttctcaaagc accaagcacc actccgtcccc 5700
ccttccccca ccatcatggc cttaattcc tttctctctt agtccccccac cccacccccc 5760
tttttttttt tttttttttt ttttttttgc acg